

BASIC ARITHMETIC and BASIC ALGEBRA SAMPLE

You have up to 1 hour to complete this assessment.

Name: _____

PART A - Addition and Subtraction

1. Add: $39,437 + 127,648 + 7,056$ 1. _____

2. Subtract: 19,820 from 209,327 2. _____

3. Subtract: $56,789 - 12,345$ 3. _____

4. Divide: $46,428 \div 6$ 4. _____

5. Divide: $84,576 \div 12$ 5. _____

PART B - Fractions

1. Simplify: $\frac{7}{8} + \frac{1}{4}$ 1. _____

2. Reduce to lowest terms: $\frac{42}{54}$ 2. _____

3. Find the sum: $\frac{9}{14} + \frac{9}{13} + \frac{9}{15}$ 3. _____

4. Subtract: $\frac{1}{6} - \frac{1}{8}$ 4. _____

5. Subtract: $\frac{3}{4} - \frac{1}{2}$ 5. _____

6. Divide: $\frac{7}{24} \div \frac{21}{8}$ 6. _____

PART C - Word Problems

PART D -W CE v š

1. Express $8\frac{1}{2}\%$ as a decimal numeral: _____

2. Express $\frac{18}{25}$ as a per cent: _____

3. A store had a sale of 15%. If the original price of a shirt was \$20, how much did the customer pay for the shirt? _____

4. _____

5. _____

6. _____

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PART A

PART B

PART C

PART D

1. 174,141

2. 189,507

3. 1,655,928

4. 53

5. 74,900

1. $\frac{7}{8} = \frac{42}{48}$

2. $\frac{7}{9}$

3. $\frac{9}{13}$

4. $\frac{31}{36}$

5. $\frac{17}{24}$

6. $\frac{9}{9}$

7. $\frac{1}{9}$

1. $\frac{3}{4}$

2. .625

3. 7432.05

4. 703.159

5. 80.46

6. .1689

7. 1.37

1. $\frac{21}{25}$

2. .085

3. 72%

4. 30%

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PART A - •] } v % š •

Z}} • š Z o © Œ } (š Z } Œ Œ š v • Á Œ v % o] š] v š Z o v | • % š š Z Œ

1. {0,1,2,3,4,.....} is called the set of:

a) natural numbers • Œ] š Z u Ÿ v μ u Œ •

